

SIMPLE AUTOMATED SOURCE SWITCH

ABSTRACT OF THE DISCLOSURE

5 A switching system for providing electrical power to at least one load. The system includes a primary power device, a secondary power device, and an automatic switch . The switch includes an electromechanical relay with an electro-magnetically actuated multi-pole activator, an electromagnet, and a biasing means. The multi-pole activator is switched between the primary and secondary power devices to carry any
10 available power to the loads. The electromechanical relay includes a primary terminal, a secondary terminal, and an output terminal. The primary power device is electrically connected to the primary terminal. The secondary power device is electrically connected to the secondary terminal. The loads are connected to the output terminal. The automatic switch also includes a coupling terminal is utilized to
15 provide electrical power from the secondary power device to the primary power device.